

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): Canonical general response bandpass microwave filter comprising a plurality of resonator cavities arrangement in rows, each resonator cavity being coupled with at least a sequential adjacent resonator cavity for providing a main path for an electromagnetic energy to be transmitted from a first resonator cavity (1) to a last resonator cavity, the electromagnetic energy being injected in the first resonator cavity (1) by an input terminal (20) through an input coupling and the electromagnetic energy being extracted from the last resonator cavity by an output terminal (21) through an output coupling, the first and last resonator cavities are non-sequential cross coupled adjacent cavities; characterized by that the resonator cavities are adapted to be arranged in more than two adjacent rows and more than two adjacent columns.
2. (original): The microwave filter according to claim 1, including more rows than columns.
3. (original): The microwave filter according to claim 1, comprising more columns than rows.
4. (original): The microwave filter according to claim 1, including an equal number of columns and rows.

PRELIMINARY AMENDMENT

Attorney Docket No. Q76470

5. (original): The microwave filter according to claim 1, comprising at least a resonator cavity is adapted to couple a sequential adjacent resonator cavity and a non-sequential adjacent cavity.

6. (original): The microwave filter according to claim 5, including at least a resonator cavity is adapted to couple at least two sequential adjacent resonator cavities and at least a non-sequential adjacent cavities.

7. (original): The microwave filter according to claim 6, including at least a resonator cavity is adapted to couple at least two sequential adjacent resonator cavity and at least two non-sequential adjacent cavity.

8. (original): The microwave filter according to claim 6, comprising at least a resonator cavity is adapted to couple at least two sequential adjacent resonator cavities, at least a non-sequential adjacent cavities and at least a non sequential non adjacent cavities.

9. (original): The microwave filter according to claim 7, comprising at least a resonator cavity is adapted to couple at least two sequential adjacent resonator cavities, at least two non-sequential adjacent cavities and at least a non sequential non adjacent cavity.

PRELIMINARY AMENDMENT

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10. (original): The microwave filter according to claim 1, including at least a row is adapted to have a lower number of resonator cavities than another row.

11. (original): The microwave filter according to claim 1, includes at least a column is adapted to have lower number of the resonator cavities than another column.

12. (currently amended): The microwave filter according to ~~any of the preceding claims~~claim 1, wherein the main path passes through more than two rows and two columns of resonator cavities.

13. (currently amended): The microwave filter according to ~~any one of claims 1 to 12~~claim 1, wherein each resonator cavity comprises a dielectric resonator.

14. (currently amended): The microwave filter according to ~~any one of claims 1 to 12~~claim 1, wherein each resonator cavity is an empty wave guide cavity.

15. (currently amended): The microwave filter according to ~~any one of claims 1 to 12~~claim 1, wherein each resonator cavity is a coaxial resonator.